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PLAGUE-PREVENTION WORK.

CALIFORNIA.

The following report of plague-prevention work in California for the week ended April 10, 1915, was received from Passed Asst. Surg. Hurley, of the United States Public Health Service, in temporary charge of the work:

San Francisco, Cal.

RAT PROOFING.		RAT PROOFING—continued.	
New buildings:		Old buildings—Continued.	
Inspections of work under construction..	283	Cubic feet new foundation walls installed.	5,548
Basement floors concreted (53,970 sq. ft.).	110	Concrete floors installed (43,792 sq. ft.)...	42
Floors concreted (101,900 sq. ft.).....	139	Basements concreted (18,346 sq. ft.).....	17
Yards, passageways, etc. (30,720 sq. ft.) ..	115	Yards and passageways, etc., concreted	
Total area of concrete laid (sq. ft.).....	186,650	(14,425 sq. ft.).....	57
Class A, B, and C (fire proof) buildings:		Total area concrete laid (sq. ft.).....	76,563
Inspections made.....	264	Floors rat proofed with wire cloth (8,890	
Roof and basement ventilators, etc.,		sq. ft.).....	8
screened.....	3,519	Buildings razed.....	13
Wire screening used (sq. ft.).....	20,690	New garbage cans stamped approved.....	633
Openings around pipes, etc., closed with		Nuisances abated.....	337
cement.....	11,201	OPERATIONS ON THE WATER FRONT.	
Sidewalk lens lights replaced.....	3,940	Vessels inspected for rat guards.....	22
Old buildings:		Reinspections made on vessels.....	24
Inspections made.....	603	New rat guards procured.....	8
Wooden floors removed.....	55	Defective rat guards repaired.....	3
Yards and passageways, planking removed	18	Vessel on which cargo was inspected.....	1

Amount of cargo and description of same.	Condition.	Rat evidence.
Steamer Queen, from Seattle:		
30 bales rags.....	O. K.....	None.
120 cases salmon, milk, household goods.....	O. K.....	None.
600 sacks peanuts, wheat and bran.....	O. K.....	None.

RATS COLLECTED AND EXAMINED FOR PLAGUE.	
Rats trapped on wharves and water front....	16
Rats trapped on vessels.....	18
Traps set on wharves and water front.....	180
Traps set on vessels.....	48
Vessels trapped on.....	10
Poisons placed on water front (pieces).....	3,600
Poisons placed within Panama-Pacific Inter-	
national Exposition grounds.....	7,200
Bait used on water front and vessels. Bacon	
(lbs.).....	6
Amount of bread used in poisoning water	
front (loaves).....	12
Pounds of poison used on water front.....	6
RATS IDENTIFIED.	
Mus norvegicus.....	115
Mus musculus.....	39
Mus alexandrinus.....	43
Mus rattus.....	36

Squirrels collected and examined for plague.

San Benito County.....	119
Contra Costa County.....	81
Merced County.....	69
Stanislaus County.....	29
Santa Cruz County.....	25
Santa Clara County.....	23
Total.....	346
Found infected.....	0

Ranches inspected and hunted over.

San Benito County.....	39
Contra Costa County.....	24
Merced County.....	16
Stanislaus County.....	4
Santa Cruz County.....	2
Santa Clara County.....	12
Total.....	97

Record of plague infection.

Places in California.	Date of last case of human plague.	Date of last case of rat plague.	Date of last case of squirrel plague.	Total number rodents found infected since May, 1907.
Cities:				
San Francisco.....	Jan. 30, 1908	Oct. 23, 1908	(1)	398 rats.
Oakland.....	Aug. 9, 1911	Dec. 1, 1908	(1)	126 rats.
Berkeley.....	Aug. 28, 1907	(1)	(1)	(1)
Los Angeles.....	Aug. 11, 1908	(1)	Aug. 21, 1908	1 squirrel.
Counties:				
Alameda (exclusive of Oakland and Berkeley).....	Sept. 24, 1909	Oct. 17, 1909 ²	Aug. 7, 1914	286 squirrels, wood rat.
Contra Costa.....	May 17, 1914	(1)	Mar. 4, 1915	1,567 squirrels.
Fresno.....	(1)	(1)	Oct. 27, 1911	1 squirrel.
Merced.....	(1)	(1)	July 12, 1911	5 squirrels.
Monterey.....	(1)	(1)	Apr. 10, 1914	6 squirrels.
San Benito.....	June 4, 1913	(1)	Sept. 26, 1914	36 squirrels.
San Joaquin.....	Sept. 18, 1911	(1)	Aug. 26, 1911	18 squirrels.
San Luis Obispo.....	(1)	(1)	Jan. 29, 1910	1 squirrel.
Santa Clara.....	Aug. 31, 1910	(1)	July 23, 1913	25 squirrels.
Santa Cruz.....	(1)	(1)	May 17, 1910	3 squirrels.
Stanislaus.....	(1)	(1)	June 2, 1911	13 squirrels.

¹None.²Wood rat.

Operations are being carried on under Federal supervision on the Tormey estate, Contra Costa County, labor and material being furnished by the owners, as follows:

Number of acres covered.....	74
Number of holes treated.....	3,885

The work is being carried on in the following-named counties: Alameda, Contra Costa, San Francisco, Merced, San Joaquin, Santa Cruz, Stanislaus, San Benito, Santa Clara, and San Mateo.

LOUISIANA—NEW ORLEANS—PLAGUE-ERADICATION.

The following report of plague-eradication work at New Orleans for the week ended April 17, 1915, was received from Surg. Creel, of the United States Public Health Service, in temporary charge of the work:

OUTGOING QUARANTINE.		OVERLAND FREIGHT INSPECTION.	
Vessels fumigated with sulphur.....	46	Cars inspected, found in good order, permitted to load.....	2,212
Vessels fumigated with carbon monoxide..	15	Cars ordered repaired before loading.....	1,496
Vessels fumigated with hydrocyanic gas...	1	Total cars inspected.....	3,703
Pounds of sulphur used.....	10,445	DESTINATION AND NUMBER OF RAILROAD CARS INSPECTED FOR WEEK ENDED APRIL 17, 1915.	
Pounds of coke consumed in carbon monoxide fumigation.....	23,300	Alabama.....	103
Pounds of potassium cyanide used in hydrocyanic gas fumigation.....	102	Arizona.....	2
Pounds of sodium carbonate used in hydrocyanic gas fumigation.....	120	Arkansas.....	24
Pounds of sulphuric acid used in hydrocyanic gas fumigation.....	104	California.....	21
Clean bills of health issued.....	31	Carolina, North.....	2
Foul bills of health issued.....	8	Carolina, South.....	4
		Colorado.....	5

DESTINATION AND NUMBER OF RAILROAD CARS INSPECTED FOR WEEK ENDED APRIL 17, 1915—CON.

Florida.....	15
Georgia.....	45
Illinois.....	287
Indiana.....	18
Iowa.....	27
Kansas.....	19
Kentucky.....	32
Louisiana.....	965
Michigan.....	66
Minnesota.....	12
Mississippi.....	287
Missouri.....	68
New York.....	20
Ohio.....	107
Oklahoma.....	8
Oregon.....	4
Pennsylvania.....	6
Tennessee.....	94
Texas.....	174
Virginia.....	5
Wisconsin.....	44
Canada.....	7

FIELD OPERATIONS.

Rats trapped.....	5,872
Premises inspected.....	11,351
Notices served.....	1,778

BUILDINGS RAT PROOFED.

By elevation.....	179
By marginal concrete wall.....	138
By concrete floor and wall.....	325

BUILDINGS RAT PROOFED—continued.

By minor repairs.....	519
Square yards of concrete laid.....	16,211
Total buildings rat proofed.....	1,161
Total buildings rat proofed to date.....	30,830
Number of abatements.....	2,853
Number of abatements to date.....	20,816

LABORATORY OPERATIONS.

Rodents examined.....	2,820
Mus norvegicus.....	1,965
Mus rattus.....	362
Mus alexandrinus.....	263
Mus musculus.....	3,102
Wood rats.....	61
Putrid.....	161
Muskrats.....	149
Total rodents received at laboratory.....	5,902
Number of suspicious rats.....	7
Last case of human plague, Oct. 4, 1914.	
Last case of rodent plague, Mar. 9, 1915.	
g ^{al} number of rodents captured to Apr. 17.....	323,725
Total number of rodents examined to Apr. 17.....	237,625
Total cases of rodent plague to Apr. 17 by species:	
Mus musculus.....	4
Mus rattus.....	16
Mus norvegicus.....	208
Mus alexandrinus.....	8
Total rodent cases to Apr. 17, 1915...	236

HAWAII—HONOLULU—PLAGUE-PREVENTION.

The following report of plague-prevention work at Honolulu for the week ended April 3, 1915, was received from Surg. Trotter, of the United States Public Health Service:

Total rats and mongoose taken.....	421	Average number of traps set daily.....	1,085
Rats trapped.....	412	Cost per rat destroyed.....cents..	19.7
Mongoose trapped.....	6	Last case rat plague, Aiea, 9 miles from Honolulu	
Rats found dead (Mus musculus).....	3	Apr. 12, 1910.	
Examined microscopically.....	350	Last case human plague, Honolulu, July 12, 1910.	
Showing plague infection.....	0	Last case rat plague Kalopa stable, Paauhau,	
Classification of rats trapped:		Hawaii, Aug. 29, 1914.	
Mus alexandrinus.....	203	Last case human plague, Paauhau Landing, Hawaii,	
Mus musculus.....	143	Aug. 17, 1914.	
Mus norvegicus.....	36		
Mus rattus.....	30		